

LDWSF
12.3.54 vs

MUNICIPALITY OF METROPOLITAN SEATTLE

NOTICE OF INDUSTRIAL WASTE DISCHARGE PERMIT APPLICATION No. 7181

TAKE NOTICE:

That Lone Star Industries, Inc.
located at 901 Fairview Avenue N., Seattle, WA 98109
has filed an application for an industrial waste discharge
permit to discharge industrial waste effluent into the
municipal sewer from its Ready-mix concrete production and aggregate dist. facility
in the amount of 5,500 gallons per day following treat-
ment and in-plant control and in compliance with rules and reg-
ulations of the Municipality of Metropolitan Seattle, Washington
State Department of Ecology, and the Environmental Protection
Agency.

The approximate point of discharge is at 901 Fairview
Avenue North, Seattle, WA 98109

Any person desiring to express his views or to be notified
of the Municipality of Metropolitan Seattle action on this
application should notify the Municipality of Metropolitan
Seattle in writing of his interest within thirty days of the
last date of publication of this notice. Publication dates of
this notice are _____ and
_____.

USEPA SF



1316386

Affidavit of Publication

STATE OF WASHINGTON, } ss.
COUNTY OF KING.

E. FREEBERG being duly sworn, says that she is the principal Clerk of Seattle Times Company, publisher of THE SEATTLE TIMES, a daily newspaper, printed and published in Seattle, King County, State of Washington; that it is a newspaper of general circulation in said County and State; that it has been approved as a legal newspaper by order of the Superior Court of King County; that the annexed, being a duplicate copy of a classified ad, was published in said newspaper, and not in a supplement thereof, and is a true copy of the notice as it was printed in the regular and entire issue of said paper on the following day or days April 23 and 24, 1991

and that the said newspaper was regularly distributed to its subscribers during all of said period.

MUNICIPALITY OF METROPOLITAN SEATTLE
NOTICE OF INDUSTRIAL WASTE DISCHARGE PERMIT APPLICATION No. 7181
TAKEN NOTICE:
That Lone Star Industries, Inc. located at 901 Fairview Avenue N., Seattle, WA 98109 has filed an application for an industrial waste discharge permit to discharge industrial waste effluent into the municipal sewer from its Ready-mix concrete production and aggregate distribution facility in the amount of 5,500 gallons per day following treatment and in-pipe control and in compliance with rules and regulations of the Municipality of Metropolitan Seattle, Washington State Department of Ecology, and the Environmental Protection Agency.
The approximate point of discharge is at 901 Fairview Avenue North, Seattle, WA 98109.
Any person desiring to express his views or to be notified as the Municipality of Metropolitan Seattle action on this application should notify the Municipality of Metropolitan Seattle in writing of his interest within thirty days of the last date of publication of this notice. Publication dates of this notice are April 23 and 24, 1991.

C Bell for E Freeberg

Subscribed and sworn to before me this twenty-seventh day of April, 19 91

Patricia J. Angdahl
Notary Public in and for the State of Washington
residing at Seattle

AFFIDAVIT OF PUBLICATION

STATE OF WASHINGTON, }
COUNTY OF KING } ss.

.... MARY KATICA being first duly sworn on oath deposes and says: I am and at all times herein mentioned have been the Credit Secretary ... of the Seattle Post-Intelligencer. The Seattle Post-Intelligencer is, and for more than six months prior to the first date of publication hereinafter referred to, it has been a legal newspaper continually published daily in the English language in Seattle, King County, Washington, and now is and at all said times has been a newspaper of general circulation in said city, county and state. It is and at all of said times it was printed in whole or in part in an office maintained at the place of publication in the city aforesaid.

The annexed is a true copy of a notice which was published in regular and entire issues of the Seattle Post-Intelligencer (and not in a supplement thereof) two times, to-wit, once each day for a period of two consecutive days commencing on the 23rd. day of April, 19 81..., and ending on the 24th ... day of April 19 81....., both dates inclusive. The said newspaper was regularly published and distributed to its subscribers during all of the said period.

Mary Katika

Subscribed and sworn before me this 24th day of April 19 81.....

R. F. Hayward

Notary Public in and for the State of Washington, Residing at Seattle, Wash.

Form #52

MUNICIPALITY OF
METROPOLITAN SEATTLE
NOTICE OF INDUSTRIAL
WASTE DISCHARGE PERMIT
APPLICATION No. 7181
TAKE NOTICE:
That Lone Star Industries, Inc.,
located at 901 Fairview Avenue
N., Seattle, WA 98109, has filed
an application for an industrial
waste discharge permit to dis-
charge industrial waste effluent
into the municipal sewer from
its Ready-mix concrete produc-
tion and aggregate dist. facility
in the amount of 5,500 gallons
per day following treatment and
in-plant control and in compli-
ance with rules and regulations
of the Municipality of Metropoli-
tan Seattle, Washington State
Department of Ecology, and the
Environmental Protection
Agency.
The approximate point of dis-
charge is 901 Fairview Avenue
N., Seattle, WA 98109.
Any person desiring to express
his views or to be notified of the
Municipality of Metropolitan Se-
attle action on this application
should notify the Municipality of
Metropolitan Seattle in writing
of his interest within thirty days
of the last publication of this
notice. Publication dates of this
notice are April 23 and 24, 1981.

RECEIVED MAY 04 1981

Jack Mosback

cooling water - pay for excess mixed ~~into~~ into
slurry water

Electrostatic Precipitator dust recycled with slurry
fed to Rotary kiln

Waste

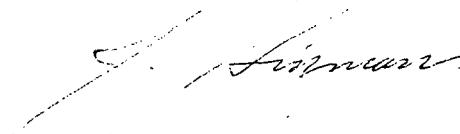
5/TOR / month \rightarrow stores mostly debris &
sweepings around the plant (not stack dust)

11 Aug. 72

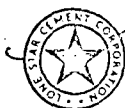
Hixson / Hixson visit Pioneer Land & Gravel
(Division of) Lane Star Cement at South End of
Lake ~~Union~~ Union. Met with Mr. Dale Denny.
to discuss their pump and metering facility to
Metro. Sewer.

Plant at Lake Union has a two chamber
settling basin. They ~~put~~ clean returning cement trucks
with city water into first basin. This settles and
clears into 2nd basin. Water is pumped from
2nd basin for reuse with excess going to ~~the~~
Sewer through a filter and with a chargeable meter
Hersey Spauling # ~~55~~ 5261034 (Started at 00000 reading.)

The plant on Spokane St (Harbor Isl) has a
one basin set up. Meter will be installed soon (next 2 wks)
this will pump through filter and meter to
the sewer line also.

 Signman

LONE STAR CEMENT CORPORATION



Manufacturers of LONE STAR AND 'INCOR' PORTLAND CEMENT

OFFICES: ABILENE, TEX.; ALBANY, N. Y.; BETHLEHEM, PA.; BIRMINGHAM, BOSTON, CHICAGO, DALLAS, HOUSTON, INDIANAPOLIS,
KANSAS CITY, MO.; LAKE CHARLES, LA.; NEW ORLEANS, NEW YORK, NORFOLK, RICHMOND, VA.; SEATTLE, WASHINGTON, D. C.

3801 EAST MARGINAL WAY

SEATTLE 4, WASH.
APRIL 29, 1968

WS - 8 - L
WATER POLLUTION CONTROL

WATER POLLUTION CONTROL COMMISSION
SUITE "B"
3700 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON 98144

ATTENTION: MR. ROBERT K. MCCORMICK, REG. ENGR.

DEAR SIRs:

WE RECEIVED YOUR LETTER OF APRIL 2, 1968, WRITTEN BY MR. ROY HARRIS, DIRECTOR. IN THIS LETTER, REFERENCE IS MADE TO OUR PERMIT NO. 2119, WHICH EXPIRES JANUARY 5, 1970.

WE QUOTE THE SECOND PARAGRAPH ON PAGE TWO OF MR. HARRIS' LETTER.

"ELIMINATION OF THE EXISTING INDUSTRIAL WASTE DISCHARGE BY CONNECTION TO A MUNICIPAL SYSTEM SHALL BE COMPLETED PRIOR TO THE FOURTH QUARTER OF 1968."

WE FELT THAT THE WORDING IN THE LETTER AND IN THE EXISTING PERMIT WERE NOT COMPATIBLE. IN SUBSEQUENT CONVERSATIONS WITH YOU ON THE TELEPHONE (APRIL 3 & 10) AND IN YOUR OFFICE (APRIL 17) WE ALL CONCLUDED THAT CLEAN COOLING WATER FROM OUR PLANT WAS NOT INTENDED TO BE CONNECTED TO A MUNICIPAL SYSTEM.

HOWEVER, SEVERAL CHANGES HAVE BEEN MADE IN OUR PLANT WHICH CHANGE PORTIONS OF THE PERMIT. WE WILL ITEMIZE THE CHANGES AND MAKE APPROPRIATE COMMENTS.

- (A) OUR WASTE WATER INTO THE DUWAMISH WATERWAY AVERAGED 158,300 GALS./DAY DURING 1967 RATHER THAN 3,505,000 GALS./DAY AS SHOWN ON THE PERMIT.
- (B) ITEM 2 ON THE PERMIT REFERS TO "A LAGOON OR SETTLING BASIN FOR THE REMOVAL OF FINES". WE HAD A SETTLING BASIN UP TO THE START OF OUR CURRENT CONSTRUCTION PROGRAM. IT WAS DESTROYED IN THE PROCESS OF PLACING A SILO FOUNDATION. A NEW SETTLING BASIN IS IN THE PLANS ON THIS CONSTRUCTION PROGRAM. IN THE INTERIM PERIOD, WE ARE MIXING OUR PRECIPITATOR DUST WITH OUR SLURRY.
- (C) ITEM 3 ON THE PERMIT IS ANSWERED ABOVE.
- (D) ITEM 4 ON THE PERMIT REFERS TO THE DISPOSITION SANITARY SEWAGE. WE HAVE BEEN TIED INTO THE CITY SANITARY SEWER SINCE DECEMBER, 1964.

Copy to J. Harris 6-11-68

OUR PRESENT DISCHARGE OF COOLING WATER INTO THE DUWAMISH WATERWAY AVERAGES APPROXIMATELY 158,300 GALS./DAY. OF THIS AMOUNT, APPROXIMATELY 58,300 GALS./DAY IS RAISED 10 F. PRIOR TO BEING DISCHARGED. THE REMAINING 100,000 GALS./DAY IS RAISED 20 F. BEFORE BEING PUMPED TO THE RIVER.

WE SUBMIT THESE VARIOUS FACTS TO YOU FOR YOUR CONSIDERATION AND ASK THAT YOU GIVE US CLARIFICATION AS TO WHETHER OR NOT OUR PRESENT OPERATION MEETS YOUR REQUIREMENTS.

VERY TRULY YOURS,

LONE STAR CEMENT CORP.



W. R. McCLINTON
PLANT MANAGER

FPM:LDH

METRO

410 WEST HARRISON STREET • SEATTLE, WASHINGTON 98119 • ATwater 4-5100



Metropolitan Council

November 13, 1970

Chairman
C. Carey Donworth

SEATTLE

Mayor
Wes Uhlman

Councilmen

Ted Best

Charles M. Carroll

George E. Cooley

Tim Hill

Mrs. Arthur V. Lamphere

Wayne D. Larkin

Sam Smith

Liem Eng Tuai

Mrs. Jeanette Williams

MEMORANDUM

TO:

~~G. D. Farris~~

Tom Rice

FROM:

A. L. Poole

SUBJECT:

Lone Star Cement Company

BELLEVUE

Councilman

Kenneth A. Cole

KIRKLAND

Councilman

Albert A. King

MERCER ISLAND

Mayor

Aubrey Davis, Jr.

REDMOND

Mayor

Selwyn L. "Bud" Young

RENTON

Mayor

Avery Garrett

On October 29, 1970, Doug Hilderbrand and I visited the Lone Star Cement Company and met with F. P. McNamara, Maintenance Superintendent, to discuss their operations and wastewater discharges. We learned that only sanitary sewage is discharged to the Metro-East Marginal Trunk Sewer with such wastes pumped from two small company owned sewage ejector station.

Cooling Water Used For Process Slurry Water

Cooling water primarily from the raw mill and rotary kiln trunnion bearings is used for process slurry water, as well as the small volumes of other wastewater such as truck washwater.

Electrostatic Precipitator Dust Mixed with Slurry

All precipitator dust is now recycled in the cement manufacturing process by mixing with the limestone-sandstone-clay slurry fed to the rotary kiln. In the past, the company lagooned some of the dust however, as land sites were eventually filled in, they had to finally "eat the dust" with most of the material ending up in the final cement product.

I asked Mr. McNamara why the Lone Star Cement Company could return all its precipitator dust to the kiln slurry while the Ideal Cement Company across the Duwamish River has found it feasible to only recycle 10% of their dust and this amount

SMALLER TOWNS

Richard K. Sandaas

Mayor, Yarrow Point

KING COUNTY

County Executive

John D. Spellman

County Council

District Representatives

Thomas M. Forsythe

William H. Reams

A. Dean Worthington

. . .

Executive Director

Charles V. Gibbs

only after a kiln dust leaching process for alkali removal. It had been my understanding that Ideal Cement could not maintain a low alkaline cement product with strict quality control by recycling more than 10% of their dust. The question then "does Lone Star produce a high alkaline cement because of their total dust recycling"?

According to Mr. McNamara their cement is quite comparable in characteristic to Ideal Cement and that the difference relates to their careful selection of the sandstone and silica raw materials. He also hinted that recycling the kiln dust could possibly effect the performance of the electrostatic precipitator. If I read this line correctly, he may be saying more dust is lost to the atmosphere by recycling. (I plan to check this point out with George Beckwith of PSAPCA).

Settling Basin Overflow to Duwamish River

There are possible times when the rotary kiln is not operative or is not being fed slurry that the cooling waters, truck wastewater, yard drain runoffs, etc. exceed the normal-water reuse balance. At these times the overflow from the collecting sump (general layout sheet in files) discharges to a settling basin which in turn could overflow to the Duwamish River.

Department of Ecology Discharge Permit (1970-75)

The state renewed the Lone star Cement Company permit in January of 1970 for a 5-year period at a specified 135,000 gpd. This volume is the water supply figure shown in the permit applciation and is for discharge to the Duwamish River.

Summary

Sanitary sewage from approximately 80 employees (from the office, laboratory, wash house, packhouse, and finish mill buildings) is the only wastewater discharged to Metro.

ALP:jb



METRO

Municipality of Metropolitan Seattle

Exchange Bldg. • 821 Second Ave., Seattle, Washington 98104

April 14, 1981

Mr. J.W. Post
Lone Star Industries, Inc.
P.O. Box 1020
Seattle, Washington 98111

Dear Mr. Post:

Draft of Industrial Waste Discharge Permit

Enclosed is a draft of the proposed Industrial Waste Discharge Permit No. 7181 for Lone Star Industries, Inc., 901 Fairview Ave. N., Seattle, WA 98109

This draft is for your review. Please notify this office of any comments about the draft permit within fourteen (14) days of the above date. If no comment is received, a signed permit will be issued thirty (30) days following the final date of public notice publication.

If you have any questions please contact this office.

Very truly yours,

Bruce R. Burrow
Industrial Waste Investigator
Water Quality Division

BRB:bb
Enclosure



METRO

Municipality of Metropolitan Seattle

Exchange Bldg. • 821 Second Ave., Seattle, Washington 98104

April 14, 1981

Mr. J.W. Post
Lone Star Industries, Inc.
P.O. Box 1020
Seattle, Washington 98111

Dear Mr. Post:

Waste Discharge Permit 7181
Application Instructions for Public Notice

Enclosed are the instructions for publishing public notice as required by Metro Resolution 3374. These forms are for your use in the public notice procedure.

Thirty (30) days following the final date of public notice you will be issued a signed permit if no objections have been made.

If you have any questions please contact me.

Very truly yours,

Bruce R. Burrow
Industrial Waste Investigator
Water Quality Division

Enclosure



LONE STAR INDUSTRIES, INC.

Cement & Construction Materials Group

May 7, 1981

Northwest Division
P.O. Box 1020
Seattle, Washington 98111
206-622-2900

Municipality of Metropolitan Seattle
Industrial Waste Section
821 - 2nd Avenue
Seattle, Washington 98104

Attention: Mr. Bruce R. Burrow

Dear Mr. Burrow:

As instructed in your letter of April 14, 1981, we enclose an affidavit of publication from both the Seattle Times and Seattle Post Intelligencer.

This is in regard to our application for an Industrial Waste Discharge Permit 7181.

Very truly yours,


J. W. Post
Production Manager

JWP/bh
Enc.

*Bruce Burrow / Lone Star E/le
Permit*

JOHN SPELLMAN
Governor



DONALD W. MOOS
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

4350- 150th Ave. N.E. • Redmond, Washington 98052 • (206) 885-1900

May 18, 1981

RECEIVED

JUN 1 1981

Neil Peterson, Executive Director
Municipality of Metropolitan Seattle
821 Second Avenue
Seattle, Washington 98104

MUNICIPALITY OF
METROPOLITAN SEATTLE

Dear Mr. Peterson:

Metro Industrial Waste Discharge Permit
Lone Star Industries, Inc.
Seattle, Washington
Permit #7181

The Washington State Department of Ecology hereby approves
the issuance of the proposed industrial waste discharge permit
mentioned above.

Sincerely,

Stewart A. Meserian
for Robert K. McCormick
Regional Manager
Northwest Regional Office

RKM:BGS:11



Municipality of Metropolitan Seattle

Exchange Bldg. • 821 Second Ave., Seattle, Washington 98104

June 4, 1981

Mr. J.W. Post
Lone Star Industries, Inc.
P.O. Box 1020
Seattle, Washington 98111

Dear Mr. Post:

Enclosed is a signed copy of Waste Discharge Permit No. 7181 for Lone Star Industries' operation located at 901 Fairview Avenue North in Seattle. Please keep in mind that an application for renewal of this permit shall be filed with Metro's Industrial Waste Section no later than one hundred eighty (180) days prior to the expiration date of this permit. If you have any questions, please contact Bruce Burrow at 447-6836.

Thank you for your cooperation.

Very truly yours,

Douglas A. Hilderbrand
Industrial Waste Supervisor
Water Quality Division

DAH:bb
Enclosure

Mr. [unclear]

LORAIN STAR INDUSTRIES, INC.
Cement & Construction Materials Group

January 20, 1972

Northwest Division
Pioneer Sand & Gravel
901 Fairview Avenue, North, Seattle, Wash.
(Mail: P. O. Box 1020, Seattle, Wash. 98111)
206 MA2 2800

RECEIVED

JAN 21 1972

Municipality of Metropolitan Seattle

Mr. Harold T. Thornquist
Manager, Sewer Utility
City of Seattle
701 Municipal Building
Seattle, Washington 98104

Subject: Ready-Mix Truck Washout Basin Effluent - To Be Pumped to
City Sewers at: 901 Fairview Ave. N. & 910 S.W. Spokane St.

Dear Mr. Thornquist:

On December 27, 1971, in a letter to Mr. Allan Poole of Metro (copy enclosed), we requested permission to pump settled washout water into city sewers from the truck washout basins located at the above addresses. As a result of the letter, on January 5, 1972 Allan Poole and Gordon Burt of Metro, and Don Moore and George Hixson of your department visited our Fairview plant.

As a result of their inspection, they indicated there would be no problem of pumping the effluent into the sewers provided:

1. The water had been clarified when pumped
2. We install water meters on the pump lines for purposes of recording the amount of effluent pumped into the sewer system to determine the monthly sewer service charge
3. That we confine the hours of pumping, if at all possible, in the case of the Fairview plant, to between 5:00 P.M. and 7:00 A.M. so that we would not contribute to an overload of the combined sewer in Eastlake Avenue, and
4. That we advise Metro when the systems were operational so that Metro could start the meter readings.

We agreed to the conditions.

We have initiated the planning of the systems and will start construction in the next couple of weeks. I have the impression from the


To: Mr. Harold T. Thornquist
January 20, 1972
Page 2

meeting that all I needed to do to implement the program was to advise you that we will be installing the systems.

If additional permits are required to make the installations please advise me so that we can proceed properly.

Very truly yours,

LONE STAR INDUSTRIES, INC.
Pioneer Sand & Gravel Division


E. J. Dale
Operations Manager

EJD/bh

cc: Allan L. Poole, Metro
Stewart A. Messman, Dept. of Ecology
Dennis Kash
Dale Denny

LEAST
RENEWAL
NO ALTERNATIVE PERMIT
EFFECTIVE

Agency Comments _____
Public Comments _____
No Comments _____

(PIONEER SPOKANE STREET PLANT)

Permit No. _____

Name and Address: Lone Star Industries, Inc.
Pioneer Sand and Gravel
Duwamish Plant
P. O. Box 1020
Seattle, Washington 98111

Date of Issue _____

Date of Expiration _____

Waste from the permittee's industrial operation located at 910 S. W. Spokane St., Seattle
not exceeding 45,000 gallons per day may be discharged to groundwater
via non-overflow settling basins at the following point of discharge:
910 S. W. Spokane St.

Said discharge is authorized subject to the following conditions:

1. The word "waste" in the above statement refers to the total volume of excess water accumulation in the recirculating wastewater treatment system.
2. The non-overflow, closed circuit recirculation system consisting of a settling basin, clear water storage basin and associated pumps and piping shall be maintained and operated in such a manner as to intercept, contain, treat and reasonably reuse all contaminated process waters and contaminated storm water run-off originating on the plant property.
3. There shall be no overflow or discharge of water from the recirculation system to the ground surface or to a state waterway. All excess water accumulation shall be disposed of by natural seepage to groundwater via the settling basins, by incorporation into concrete batch mixes, or by regulated, metered connection to the sanitary sewer system.
4. The settling and storage basins shall be inspected monthly to measure sediment accumulations. Sediment shall be disposed of in a diked area or incorporated and thoroughly mixed with other stable fill material for immediate removal from the plant site.
5. The permittee shall continue monitoring and recording of pH values at all established sampling points in the Duwamish River on a daily basis for one week following the removal of sediment accumulations in the settling basins.
6. All washdown of truck and equipment exteriors and mixer drum interiors shall be conducted on the wash rack drainage slabs and all washwaters shall be discharged to the aggregate recovery ramp and the waste treatment settling basins. The use of detergent solutions to clean trucks shall be kept to an absolute minimum.
7. No wastewater, washwater or other contaminated water, nor waste concrete shall be discharged to the Duwamish River or to the immediate embankment along the river, where such wastes may leach or flow into the waterway.

Lone Star Industries, Inc.
 Pioneer Sand and Gravel
 Duwamish Plant
 P.O. Box 1020
 Seattle, Washington 98111

Draft
 Renewal
 No Advertising Needed
 Permanent

8. All batch plant washdown water and immediate surface drainage shall be discharged to the waste treatment settling basin.
9. Waste concrete shall be discharged to the aggregate recovery ramp, waste treatment settling lagoon, or incorporated into form-cast concrete products. No waste concrete shall be dumped to the ground surface.
10. Dry cement shall be handled in such a manner as to prevent its discharge to the ground surface or contamination of storm water run-off.
11. No oils, waste oils, solvents or oily sludges are to be discharged to the ground surface or the recirculating waste treatment system.
12. All barrels containing oils, waste oils, setting agents, air-entraining agents or other chemicals shall be stored in a curbed, covered area to eliminate possible spills and contaminated run-off from entering any sewer system or flowing overland to a state waterway. Empty barrels shall be adequately stoppered and stored in an upright position away from the waterway.
13. Diesel and fuel filler hoses shall be provided with covered drip pans to contain any spillage or leakage from fuel transfer operations.
14. Sanitary wastes shall be discharged to the Seattle sanitary sewerage system.
15. The permittee shall investigate and implement through the duration of this permit all reasonable methods for the re-use of treated wastewater now discharged to the groundwater.
16. In the event.....
 This permit.....
 This permit.....
 In the event.....

SAM:11

1-18-72

cc: Allan Poole, Metro, Seattle
 L. White, City Engineering Dept., Seattle

DRAFT
RENEWAL
NO ADVERTISING NEEDED
PERMANENT

Public Comments _____

No Comments _____

Permit No. _____

Name and Address: Lone Star Industries, Inc.
Pioneer Sand and Gravel
Lake Union Plant
P. O. Box 1020
Seattle, Washington 98111

Date of Issue _____

Date of Expiration _____

Waste from the permittee's industrial operation located at 901 Fairview Avenue N., Seattle

not exceeding 8,000 gallons per day may be discharged to groundwater

via non-overflow settling basins at the following point of discharge

901 Fairview Avenue N.

Said discharge is authorized subject to the following conditions:

1. The word "waste" in the above statement refers to the total volume of excess water accumulation in the recirculating wastewater treatment system.
2. The non-overflow, closed circuit recirculation system consisting of a settling basin, clear water storage basin and associated pumps and piping shall be maintained and operated in such a manner as to intercept, contain, treat and reasonably reuse all contaminated process waters and contaminated storm water run-off originating on the plant property.
3. There shall be no overflow or discharge of water from the recirculation system to the ground surface or to a state waterway. All excess water accumulation shall be disposed of by natural seepage to groundwater via the settling basins, by incorporation into concrete batch mixes, or by regulated, metered connection to the sanitary sewer system.
4. The settling and storage basins shall be inspected monthly to measure sediment accumulations. Sediment shall be disposed of in a diked area or incorporated and thoroughly mixed with other stable fill material for immediate removal from the plant site.
5. The permittee shall continue monitoring and recording of pH values at all established sampling points on a daily basis for one week following the removal of sediment accumulations in the settling basins.
6. All washdown of truck and equipment exteriors and mixer drum interiors shall be conducted on the wash rack drainage slabs and all washwaters shall be discharged to the aggregate recovery ramp and the waste treatment settling basins. The use of detergent solutions to clean trucks shall be kept to an absolute minimum.
7. No wastewater, washwater or other contaminated water, nor waste concrete shall be discharged to Lake Union or to the immediate embankment along the Lake, where such wastes may leach or flow into the waterway.

Lone Star Industries, Inc.
Pioneer Sand and Gravel
Lake Union Plant
P. O. Box 1020
Seattle, Washington 98111

2

Draft
Renewal
No Advertising Needed
Permanent

8. All batch plant washdown water and immediate surface drainage shall be discharged to the waste treatment settling basin.
9. Waste concrete shall be discharged to the aggregate recovery ramp or incorporated into form-cast concrete products. No waste concrete shall be dumped to the ground surface.
10. Dry cement shall be handled in such a manner as to prevent its discharge to the ground surface or contamination of storm water run-off.
11. No oils, waste oils, solvents or oily sludges are to be discharged to the ground surface or the recirculating waste treatment system.
12. All barrels containing oils, waste oils, setting agents, air-entraining agents or other chemicals shall be stored in a curbed, covered area to eliminate possible spills and contaminated run-off from entering any sewer system or flowing overland to a state waterway. Empty barrels shall be adequately stoppered and stored in an upright position away from the waterway.
13. Diesel and fuel filler hoses shall be provided with covered drip pans to contain any spillage or leakage from fuel transfer operations.
14. Sanitary wastes shall be discharged to the Seattle sanitary sewerage system.
15. In the event.....
This permit.....
This permit.....
In the event.....

SAM:11

cc: ~~Allan~~ Poole, Metro, Seattle
L. White, Seattle, City Engineering Dept.

Reviewed 1-5-71
by ALP
Acceptable on all
items shaw
ALP

DRAFT
RENEWAL
NO ADVERTISING REQUIRED
PERMIT

Agency Comments _____
Public Comments _____
No Comments _____
Permit No. _____

Name and Address: Lone Star Industries, Inc.
Pioneer Sand and Gravel
Lake Union Plant
P. O. Box 1020
Seattle, Washington 98111

Date of Issue _____

Date of Expiration _____

Waste from the permittee's industrial operation located at 901 Fairview Avenue N., Seattle

not exceeding 3,000 gallons per day may be discharged to groundwater

via non-overflow settling basins _____ at the following point of discharge

901 Fairview Avenue N.

Said discharge is authorized subject to the following conditions:

1. The word "waste" in the above statement refers to the total volume of excess water accumulation in the recirculating wastewater treatment system.
2. The non-overflow, closed circuit recirculation system consisting of a settling basin, clear water storage basin and associated pumps and piping shall be maintained and operated in such a manner as to intercept, contain, treat and reasonably reuse all contaminated process waters and contaminated storm water run-off originating on the plant property.
3. There shall be no overflow or discharge of water from the recirculation system to the ground surface or to a state waterway. All excess water accumulation shall be disposed of by natural seepage to groundwater via the settling basins, by incorporation into concrete batch mixes, or by regulated, metered connection to the sanitary sewer system.
4. The settling and storage basins shall be inspected monthly to measure sediment accumulations. Sediment shall be disposed of in a diked area or incorporated and thoroughly mixed with other stable fill material for immediate removal from the plant site.
5. The permittee shall continue monitoring and recording of pH values at all established sampling points on a daily basis for one week following the removal of sediment accumulations in the settling basins.
6. All washdown of truck and equipment exteriors and mixer drum interiors shall be conducted on the wash rack drainage slabs and all washwaters shall be discharged to the aggregate recovery ramp and the waste treatment settling basins. The use of detergent solutions to clean trucks shall be kept to an absolute minimum.
7. No wastewater, washwater or other contaminated water, nor waste concrete shall be discharged to Lake Union or to the immediate embankment along the Lake, where such wastes may leach or flow into the waterway.

Lone Star Industries, Inc.
Pioneer Sand and Gravel
Lake Union Plant
P. O. Box 1020
Seattle, Washington 98111

2

Draft
Renewal
No Advertising Needed
Permanent

8. All batch plant washdown water and immediate surface drainage shall be discharged to the waste treatment settling basin.
9. Waste concrete shall be discharged to the aggregate recovery ramp or incorporated into form-cast concrete products. No waste concrete shall be dumped to the ground surface.
10. Dry cement shall be handled in such a manner as to prevent its discharge to the ground surface or contamination of storm water run-off.
11. No oils, waste oils, solvents or oily sludges are to be discharged to the ground surface or the recirculating waste treatment system.
12. All barrels containing oils, waste oils, setting agents, air-entraining agents or other chemicals shall be stored in a curbed, covered area to eliminate possible spills and contaminated run-off from entering any sewer system or flowing overland to a state waterway. Empty barrels shall be adequately stoppered and stored in an upright position away from the waterway.
13. Diesel and fuel filler hoses shall be provided with covered drip pans to contain any spillage or leakage from fuel transfer operations.
14. Sanitary wastes shall be discharged to the Seattle sanitary sewerage system.
15. In the event.....
This permit.....
This permit.....
In the event.....

SAM:11

cc: Allan Poole, Metro, Seattle
L. White, Seattle, City Engineering Dept.



LONE STAR INDUSTRIES, INC.

Cement & Construction Materials Group

Northwest Division
Pioneer Sand & Gravel
901 Fairview Avenue, North, Seattle, Wash.
(Mail: P. O. Box 1020, Seattle, Wash. 98111)
206 MA2 2900

December 27, 1971

Mr. Allan L. Poole
Industrial Waste Engineer
METRO
410 W. Harrison Street
Seattle, Washington 98119

RECEIVED
DEC 28 1971

Dear Mr. Poole:

RE: Ready Mix Truck Washout Facilities
At: 901 Fairview North, Seattle
910 S. W. Spokane, Seattle

Municipality of Metropolitan Seattle

This letter is to request permission to pump settled wash-out-water into the city sewers from time to time as may be required.

We are finding out from working our basins over the past several months that the demands we sometimes put on the basins exceeds the percolation rate of surplus water into the soil. This results from more water use in flushing trucks and central mixers, and from contaminated yard drainage which flows into the basins than had been expected on some days.

We would like to install pumps and necessary piping from the basins to be connected into our existing side sewers. We propose to pump only settled, clear water into the sewers to avoid any solids buildup in our lines, as well as those of the city. Based upon our testing, this water would have a pH of 10.

The pumps will be operated manually, or on automatic timers, to pump at times when we can be sure the solids have settled. This would normally be between the hours of 6 P.M. and 7 A.M.

May we have your permission for the installations?

Very truly yours,

LONE STAR INDUSTRIES, INC.

Eugene J. Dale
Operations Manager

EJD:N

CC: Mr. Stewart A. Messman, District Engr., Dept. of Ecology
Mr. Dennis Kash, Lone Star Industries
Mr. K. A. Stotler, Lone Star Industries
Mr. Dale Denny, Lone Star Industries



Municipality of Metropolitan Seattle

Exchange Bldg. • 821 Second Ave., Seattle, Washington 98104

March 27, 1980

Mr. Mike Patricelli
Lone Star Industries, Inc.
901 Fairview Avenue N.
Seattle, Washington 98104

Dear Mr. Patricelli:

Notice of Violation

On March 18, 1980 an inspection of the Lone Star Industries, Inc. Lake Union plant revealed that concrete wastes were being pumped into Lake Union. At Metro's request the discharge ceased. This act was in direction violation of Federal Law PL 92-500 by discharging prohibited substances into navigable waters. We question how long this activity has been practiced by Lone Star or the predecessor Pioneer Sand & Gravel since a cement delta has built up on the lake bottom.

Therefore, Metro requests that Lone Star Industries, Inc., recycle all of the settling pond waste water back to the batch plant or reuse it for the washing of cement trucks. Metro requests that the settling pond effluent be an enclosed system.

Pioneer Sand & Gravel was allowed to pump the clear supernatant into the municipal sewer system. Metro still leaves this option open if Lone Star desires to pursue this alternative. Lone Star would then be required to seek approval again from the City of Seattle and Metro regarding metering and quality of effluent being discharged into the sewer system. Metro would also require an industrial waste discharge permit for this plant in order to accept any waste. To coordinate plans with the City of Seattle, please contact Mr. John Bernard at 625-2731.

Mr. Mike Patricelli
March 27, 1980
Page Two

We seek your cooperation in complying with the Metro requirements. Should you have any further questions please contact this office at 447-6570.

Very truly yours,

Larry L. Petersen
Industrial Waste Investigator
Water Quality Division

LLP/mp

cc: Mr. John Bernard, City of Seattle
Mr. Jim Coover, City of Seattle
Mr. Ken Mauermann, Dept. of Ecology

Company Name

Lone Star Industries, Lake Union

Date: 3/26/80, 1005

Person contacted: -----

Purpose of visit: Check for discharge of yard waste from settling
ponds to Lake Union; check for "sewer" outfall.

Resume of meeting: No discharge from yard settling basins; no
"sewage" discharge from outfall pipe N. of Lone Star property.

3/31/80, 1130

No discharge from either source.

Company Name

Law Sta. And Garview Ave. To

Date: 3/18/79

Person contacted: _____

Purpose of visit: _____

Resume of meeting: (Checked at 143° 3/19 - no discharge.
On a non. rainier stated we should check later for
possible discharge. Water was flowing 2-3" in NW
portion of yard near waste pile)

AAA/OMH/RE, T, 'e

Company Name

Lone Star Cement--Lake Union Plant

Date: 4/25/80

Person contacted: Mike Patricelli-Superintendent

Purpose of visit: Answering anonymous phone complaint received
by Rob Morrice.

Resume of meeting: Rob Morrice received a phone complaint stating
that Lone Star was discharging cement-contaminated yard water to
Lake Union via a new underwater connection. This was causing a
plume of "muddy" water to appear in the barge loading slip. Rob
believes the caller was the Lone Star Cement truck driver who in-
formed us about Lone Star's unauthorized pumping of contaminated
yard water to Lake Union on 3/18/80.

Ray Carveth and I arrived at 1125. We could detect no discernible
plume or swell and there was no evidence of recent discharge of yard
water. I spoke ;with Mr. Patricelli by phone while at the plant.
He thought what the informant saw was bottom sediments being kicked
up by tugs turning a scow int the slip about 1000 that day.

Conclasion:

I don't believe Lone Star has been discharging yard water to the
lake by an underwater connection. The bottom has been dredged
recently and is much deeper than on our initial inspection.

RRB

Company Name

Lone Star Cement

Handwritten initials: RB, SB

Date: 5/14/81

Person Contacted: Mike Patricelli (622-2900)
Call

Purpose of Visit: Report of progress toward discharge

Resume of Meeting: Mr. Patricelli called to notify me that Lone
Star was capable of discharging from their settling basins to the local
sewer. I informed him that Lone Star's waste discharge permit would
become effective on 6/24/81. If they wish to discharge prior to that
date, they must seek approval from this office.

Reported By: BRB

Company Name
Lone Star Cement Co.

DM

Date: 3/26/81

Person Contacted: Mike Petracelli, Plant Manager

Purpose of Visit: Discuss waste discharge permit application.

Resume of Meeting: During a discussion of the permit application,
it became evident that there has been a change in the amount of
planned sewer discharge. Previously Lone Star Cement had planned to
use clarified water in batch mixing resulting in a minimum amount of
effluent being pumped to the sewer. Due to pump difficulties, this
water will be pumped to the sewer when settling ponds become full of
rainwater drainage from the truck loading area. Mr. Petrocelli spoke
of a proposed treatment system utilizing additional settling and
chemical treatment but this may take up to 1½ years to complete.
Typical operations will consist of allowing the two present settling
ponds to remain undisturbed over-night and pump the level down
during the morning (0800-0900). Future monitoring: grab or short
composite for surcharge.

Reported By: BRB

PS Form 3811, Aug. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

• **SENDER:** Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☒ Show to whom and date delivered. _____
☐ Show to whom, date, and address of delivery. _____
☐ **RESTRICTED DELIVERY**
Show to whom and date delivered. _____
☐ **RESTRICTED DELIVERY**
Show to whom, date, and address of delivery. \$ _____
(CONSULT POSTMASTER FOR FEES)

2. **ARTICLE ADDRESSED TO:**
MR. Jim Post
LONE STAR INDUSTRIES
901 FAIRVIEW AVE. N.
SEATTLE WA 98104

3. **ARTICLE DESCRIPTION:** P07
REGISTERED NO. CERTIFIED NO. INSURED NO.
3953969

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☒ Authorized agent

4. **DATE OF DELIVERY** 2/26/81

5. **ADDRESS** (Complete only if requested)

6. **UNABLE TO DELIVER BECAUSE:** _____ **CLERK'S INITIALS**

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FEB 26 1981
SEATTLE WA

n of Slurry and Water



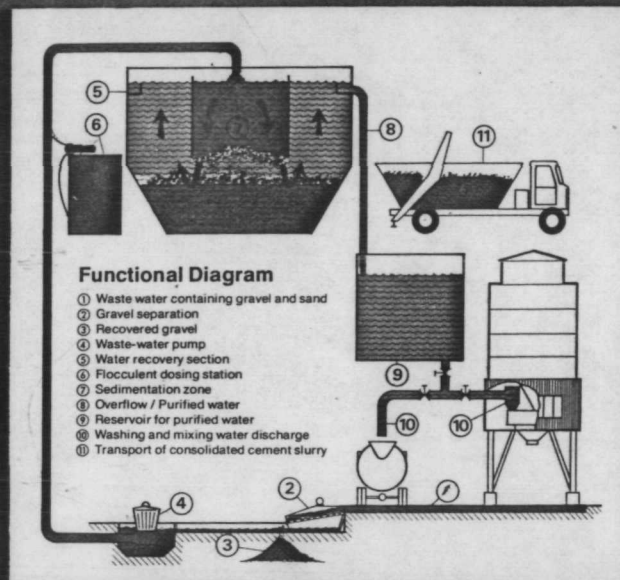
KENCO ENGINEERING, INC.
CONSTRUCTION EQUIPMENT WEAR PARTS

DAVID L. LUTZ
Vice President/Treasurer

Phone: (916) 782-8494

P.O. Box 1467
2155 PFE Road
Roseville, CA 95678

Container type water recovery and slurry consolidation plant



KLARFIX container type water recovery plants are used for processing active waste water slurry. The final product, a block of consolidated slurry, can be carted away.

The continuous and therefore profitable process corresponds to the KWA system shown in the respective picture, with the exception, however, of the integrated belt type filter unit.

The system comprises two containers arranged side by side and one superimposed clarifying box with an integral displacing device as well as a flocculent dosing station.

As soon as the first container is filled with separated solid matter, the water collected in the clarifying box is discharged into the second empty container. Subsequently, the clarifying box is lifted by means of two hand winches and moved by hand to the second container. After the lowering of the clarifying box, the system is ready for further use.

After the drying of the solid matter in the respective container, the waste product can be carted away to the local garbage pit.

